

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	52	((("20050244020") or ("6343269") or ("5995590") or ("5313556") or ("6470316") or ("6420975") or ("5640490") or ("5873062") or ("5465317") or ("4445229") or ("7110801") or ("20040137969") or ("20040186726") or ("7031917") or ("20040054531") or ("20060143006") or ("6021207") or ("4379949") or ("4360708") or ("4941178") or ("5692059") or ("5659620") or ("5353376") or ("5953700") or ("6073098") or ("6310833") or ("3622706") or ("5478304") or ("20010036174") or ("20020001317") or ("4797924") or ("5594834") or ("5596679") or ("5638486") or ("5734793") or ("5812973") or ("5719935") or ("5729656") or ("20020152068") or ("4847885") or ("5729694") or ("6006175") or ("5681108") or ("5758322") or ("5897614") or ("6487531") or ("6711539") or ("6795807") or ("6963841") or ("6999924"))).PN.	US-PGRUB; USPAT; USOCR; EPO	OR	OFF	2006/12/26 14:23
S2	4	"0048434"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/27 10:32
S3	85	"48434"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/27 10:32
S4	20	"5802190"	USPAT	OR	ON	2006/12/22 11:47
S5	42	murase.inv. and microphone	US-PGRUB; USPAT; USOCR	OR	ON	2006/12/22 11:48
S6	45	("2136720" "2470933" "2641327" "2773941" "3098127" "3610841" "3691319" "3826987" "3862378" "3869584" "4273969" "4529058" "4591668" "4654883" "4791673" "D117003").PN. OR ("4972468").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2006/12/22 11:50

S7	0	jyaahaado .inv.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/22 15:00
S8	0	eichiburetsukuboruto .inv.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/22 15:01
S9	328	((381/67).ccls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/22 15:01
S10	169	((381/67).ccls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:30
S11	199	((381/151).ccls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:29
S12	41	((381/70).ccls.) and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/22 16:03
S13	2	stethoscope adj type adj microphone	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/23 11:47
S14	1	microphone same sampl\$4 same (non adj (audible or sound or voice)) same motion same vibrat\$4 same (vocal adj cord\$1) same whisper same utter\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/23 15:11
S15	1	microphone and sampl\$4 and (non adj (audible or sound or voice)) and motion and vibrat\$4 and (vocal adj cord\$1) and whisper and utter\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/23 15:12
S16	1	microphone and sampl\$4 and (non adj (audible or sound or voice)) and (vocal adj cord\$1) and whisper and utter\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/23 15:12
S17	1	microphone and (non adj (audible or sound or voice)) and (vocal adj cord\$1) and whisper and utter\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/23 15:13
S18	4	microphone and (vocal adj cord \$1) and whisper and utter\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:28
S19	7	("2151091").URPN.	USPAT	OR	ON	2006/12/23 15:18
S20	1	("2355287").URPN.	USPAT	OR	ON	2006/12/23 15:23
S21	1	("6487531").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/12/26 11:20

S22	12	((("5111501") or ("5390278") or ("5502774") or ("5535305") or ("5586215") or ("5596676") or ("5621809") or ("5640485") or ("5640490") or ("5664052") or ("5706397") or ("5805745")). FN.	US-PGRUB; USPAT; USOCR; EPO	OR	OFF	2006/12/26 11:27
S23	5	"00138071"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/26 11:28
S24	3	"09711453"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/26 11:29
S25	0	communication same interface same ((analog adj digital adj converting) or A/D) same sampl \$4 same microphone same processor same (speech adj recognit\$4) same wireless	US-PGRUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/12/26 14:27
S26	0	(((analog adj digital adj converting) or A/D) same sampl \$4 same microphone same processor same (speech adj recognit\$4) same wireless	US-PGRUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/12/26 14:27
S27	258	(((analog adj digital adj converting) or A/D) and sampl \$4 and microphone and processor and (speech adj recognit\$4) and wireless	US-PGRUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/12/26 14:27
S28	234	communication and interface and ((analog adj digital adj converting) or A/D) and sampl \$4 and microphone and processor and (speech adj recognit\$4) and wireless	US-PGRUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/12/26 14:28
S29	128	communication and interface and ((analog adj digital adj converting) or A/D) and sampl \$4 and microphone and processor and (speech adj recognit\$4) and wireless and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2006/12/26 14:28
S30	4	microphone and (vocal adj cord \$1) and whisper and utter\$4	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/28 09:29
S31	417	((381/151-152).ccls.) and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:29
S32	11	microphone and (vocal adj cord \$1) and whisper	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/28 09:33
S33	948	((381/151-152).ccls.)	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:29

S34	0	S32 and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:34
S35	328	((381/67 or 381/67).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:31
S36	379	((381/326 or 381/70).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:31
S37	418	((381/375-376 or 381/181).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:32
S38	1069	((704/271 or 704/233).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:33
S39	2092	((455/41.1-41.2 or 455/575.6).ocls.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:33
S40	87	microphone and (vocal) and whisper	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/28 09:34
S41	0	S40 and S33 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:34
S42	0	S40 and S35 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:34
S43	1	S40 and S36 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:36
S44	1	S40 and S37 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:37
S45	5	S40 and S38 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:37
S46	0	S40 and S39 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2006/12/28 09:37
S47	14	("3730046" "3766318" "3878748" "3914550" "4039756" "4502150" "4550427" "4612664" "4672673" "4706292" "4993071" "5326349" "5381514").PN. OR ("5828758"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/28 09:38
S48	1	("6343269").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/21 10:45
S49	1	("4654883").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/21 10:45

S50	11	suct\$4 same member same diaphragm same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/19 12:45
S51	0	("200410246862").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 10:58
S52	2	("20040246862").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 10:58
S53	6	((("4777961") or ("4181122") or ("6174278"))).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/21 11:00
S54	58	((YOSHIAKI) near2 (OHBAYASHI)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2008/04/21 11:09
S55	0	diaphragm same adhesive same skin same suct\$3 same chamber same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/21 11:46
S56	63	diaphragm and adhesive and skin and suct\$3 and chamber and microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/21 11:47
S57	1	((("381"/\$).ccls.) and S56 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 11:47
S58	11	((("600"/\$).ccls.) and S56 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 11:51
S59	0	diaphragm same skin same suct \$3 same chamber same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/21 11:57
S60	0	diaphragm same skin same suct \$3 same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/21 11:57
S61	132	diaphragm same skin same suct \$3	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/21 11:58
S62	0	((("381"/\$).ccls.) and S61 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 11:58
S63	26	((("600"/\$).ccls.) and S61 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 11:58
S64	24	"4206761"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 12:10

S65	73	audio same microphone\$1 same mastoid	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 17:42
S66	8	((("381"/\$).cols.)and S65 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 17:42
S67	73	audio same microphone\$1 same mastoid	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 21:02
S68	20	S67 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/21 21:02
S69	68	(suct\$4 or vacu\$4) same member same (diaphragm or membrane) same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/22 10:58
S70	2	(suct\$4 or vacu\$4) same member same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/22 10:59
S71	12	(suct\$4 or vacu\$4) same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/22 11:01
S72	6	S71 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/22 11:02
S73	138	"5853005"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/22 13:01
S74	128	("3547106" "3972320" "4146885" "4366533" "4407293" "4438771" "4619270" "4630614" "4694839" "4722346" "4813427" "4862144" "5515865" "5532681" "5557263" "5559497" "5581238" "Re32180").PN. OR ("5853005").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/04/22 13:08
S75	128	((("381"/\$).cols.)and mastoid and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/22 17:17
S76	128	((("381"/\$).cols.)and mastoid and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/22 17:17
S77	1	"7246058".pn.	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/23 09:34
S78	0	diaphragm same adhesive same skin same suct\$3 same remov \$4	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:24

S79	49	diaphragm same adhesive same suct\$3 same remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:24
S80	4	S79 and @ay<="2002"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:25
S81	3913	diaphragm near2 remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:26
S82	2160	diaphragm near remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:26
S83	1158	diaphragm adj remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:27
S84	29	((("381"/\$).ccls.) and S83 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/04/25 17:28
S85	134228	suct\$3 same remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:34
S86	23641	suct\$3 near2 remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:35
S87	14238	suct\$3 near remov\$4	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:35
S88	7615	diaphragm same adhesive	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/25 17:35
S89	0	S87 same S88	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/04/25 17:36
S90	4	S88 and S87 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/04/25 17:36
S91	40	("1883791" "2028640" "2171053" "2190550" "2623369" "2632669" "2706659" "2720415" "2722978" "2739632" "2908473" "3514065" "3750991" "4580751" "4846429").FN. OR ("5176357"). URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 17:45
S92	14655	suct\$3 near remov\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/04/26 09:55
S93	250201	diaphragm\$1	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/26 09:56
S94	95	S92 same S93	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2008/04/26 09:56

S95	0	((("381"/\$).ccls.) and S94 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/26 09:56
S96	44	S94 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/26 09:57
S97	138	"5853005"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/04/26 09:59
S98	128	("3547106" "3972320" "4146885" "4366533" "4407293" "4438771" "4619270" "4630614" "4694839" "4722346" "4813427" "4862144" "5515865" "5532681" "5557263" "5559497" "5581238" "Re32180").PN. OR ("5853005").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/04/26 10:09
S99	1	"7299159"	US-PGRUB; USPAT; USOCR	OR	ON	2008/04/26 10:14
S100	1	"7299159"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/04/26 10:14
S101	8	("20020124295" "20040260156" "20050124864" "5853005" "6083248" "6605038" "6616613" "6804558").PN. OR ("7299159").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/04/26 10:14
S102	512998	ni suhan.xp.	US-PGRUB; USPAT; USOCR	OR	ON	2008/07/11 10:16
S103	485	suhan ni.xp.	US-PGRUB; USPAT; USOCR	OR	ON	2008/07/11 10:17
S104	487	suhan ni.xa.	US-PGRUB; USPAT; USOCR	OR	ON	2008/07/11 10:23
S105	326	((("455"/\$).ccls.) and (hearing adj aid)	US-PGRUB; USPAT; USOCR	OR	ON	2008/07/11 10:31
S106	142	S105 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/07/11 10:31
S107	2	("20050053243").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/07/11 11:35

S108	92	((("20050244020") or ("6420975") or ("20040155770") or ("5313556") or ("20080103769") or ("6012334") or ("6227054") or ("6438243") or ("6487531") or ("6963841") or ("7082395") or ("7280964") or ("20030061050") or ("20030182111") or ("20030229497") or ("5640450") or ("5398287") or ("20070055528") or ("6754632") or ("5659620") or ("5640490") or ("5873062") or ("5465317") or ("4445229") or ("4881266") or ("6263307") or ("6066790") or ("6219641") or ("6219641") or ("4888806") or ("5214709") or ("5457769") or ("5549658") or ("5749912") or ("6310833") or ("7096185") or ("20050172319") or ("20060217967") or ("20070016847") or ("20080162145") or ("20080281601") or ("5455842") or ("5680505") or ("6205425") or ("4281994") or ("6224455") or ("6224455") or ("6353671") or ("6389111") or ("6426919")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/14 12:06
S109	1	((TANJA) near2 (SCHULTZ)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 12:16
S110	3	((ALEXANDER) near2 (WAI BEL)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 12:16
S111	7	((("4686693") or ("4052720") or ("4476572")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/14 15:12
S112	29	("3213851" "3406344" "3701946" "3814856" "3980827" "4024535" "4054751" "4059726" "4080602" "4082918" "4185167" "4189713" "4228402" "4280019" "4413261" "4423289" "4438526" "4473906" "4476572" "4550400").PN. OR ("4686693").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 15:13
S113	32	("3205316" "3304368" "3410958" "3567863" "3833897" "3838408").PN. OR ("4052720").URFN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 15:16

S114	3	("4052720" "4529973" "6011819").PN. OR ("7317389").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 15:17
S115	32	("3205316" "3304368" "3410958" "3567863" "3833897" "3838408").PN. OR ("4052720").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 15:17
S116	9	((KLAUS) near2 (MOELLER)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/14 15:55
S117	2	("6329908").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/15 10:41
S118	27	("3325954" "3980827" "3985957" "4013846" "4059726" "4098370" "4319088" "4330691" "4385210" "4476572" "4506117" "4862159" "4914706" "5033247" "5131048" "5363434" "5406634" "5432858" "5440644" "5740235" "D415764" "D416907" "D420005").PN. OR ("6329908").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/15 10:42
S119	21	("3213199" "3567863" "3980827" "3985200" "3985957" "4024535" "4052564" "4054751" "4059726" "4098370" "4185167").PN. OR ("4319088").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/15 11:28
S120	2	("4185167").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/15 12:42
S121	0	("music samemask\$3").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/15 12:58
S122	1223	music same mask\$3	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/11/15 12:58
S123	5	((381/151-152).ccls.) and S122 and @ay<="2002"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 13:01
S124	3	((381/151-152).ccls.) and S122 and @ay<="2001"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 13:02
S125	103	((381"/\$).ccls.) and S122 and @ay<="2001"	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 13:06

S126	1	"6888945".pn.	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 14:49
S127	1	"4319088".pn.	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 14:56
S128	1	"4052720".pn.	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2008/11/15 16:08
S129	9	((KLAUS) near2 (MOELLER)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2008/11/15 16:33
S130	202	((381/151).ccls.) and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/22 11:07
S131	187	((381/67).ccls.) and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/22 11:10
S132	43	((381/70).ccls.) and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/11/22 11:12
S133	5	((YOSHI TAKA) near2 (NAKAJIMA)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/09/30 15:18
S134	9	((MAKOTO) near2 (SHOZAKAI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/09/30 15:19
S135	1	((SAKAE) near2 (FUJIMAKI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/09/30 15:48
S136	7	(denoise same microphone\$1)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/09/30 16:05
S137	7	(denoise same microphone\$1)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/30 16:06
S138	5	"03083828"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/30 16:07
S139	2	("7246058").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/09/30 16:08
S140	9	((MAKOTO) near2 (SHOZAKAI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/09/30 16:09
S141	0	("saserukotonitsute").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/02 11:22

S142	0	saserukotonitsute	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:22
S143	160	conducting same bone same conduction	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/02 11:23
S144	2	("5185805").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/03 14:20
S145	14	microphone and (vocal adj cord \$1) and whisper	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:31
S146	1081	((381/151-152).ccls.)	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2009/10/08 12:31
S147	0	S145 and S146 and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:31
S148	388	((("455"/\$).ccls.) and (hearing adj aid)	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/08 12:32
S149	144	S148 and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:32
S150	1375	((704/271 or 704/233).ccls.)	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2009/10/08 12:34
S151	126	microphone and (vocal) and whisper	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:34
S152	6	S151 and S150 and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:34
S153	502	((381/375-376 or 381/181). ccls.)	US-PGRUB; USPAT; USOCR; JPO	OR	ON	2009/10/08 12:34
S154	1	S151 and S153 and @ay<="2002"	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/08 12:34
S155	297	((RICHARD) near2 (MURPHY)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/08 15:56
S156	297	((RICHARD) near2 (MURPHY)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2009/10/08 15:56
S157	5	((YOSHITAKA) near2 (NAKAJIMA)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/03/31 09:30
S158	9	((MAKOTO) near2 (SHOZAKAI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/03/31 09:31
S159	21	(suc\$4 or vacu\$4) same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:35

S160	211	stethoscope same type same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:44
S161	1792	(suck4 or vacu\$4) same (diaphragm or membrane) same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:45
S162	0	S160 and S161	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:46
S163	49758	(suck4 or vacu\$4) same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:46
S164	0	S160 and S163	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:46
S165	974	stethoscope same microphone \$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:46
S166	0	S165 and S161	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:47
S167	5	S165 and S163	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:48
S168	12	(suck\$4 or vacu\$4) same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:49
S169	13	(suct\$4 or vacu\$4) same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 09:52
S170	4	((("6053098") or ("6737174"))). PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/31 10:03

S171	91	((("20050244020") or ("20090175478") or ("6420975") or ("4509186") or ("4888806") or ("4912767") or ("5715369") or ("5966690") or ("7031917") or ("7321853") or ("7369991") or ("7533015") or ("7680666") or ("20030171921") or ("20040054531") or ("20060122832") or ("20060143006") or ("20070100630") or ("20080294432") or ("5856722") or ("6012334") or ("6227054") or ("4901354") or ("5280524") or ("5363444") or ("5400408") or ("5627901") or ("5692059") or ("5850058") or ("5870485") or ("5946403") or ("5949892") or ("6275595") or ("6438243") or ("7366656") or ("7629897") or ("20040155770") or ("20060253278") or ("20070105072") or ("20070147650") or ("5640490") or ("5873062") or ("4847885") or ("5465317") or ("5729694") or ("6006175") or ("4445229") or ("5313556") or ("5681108") or ("5758322"))). PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/03/31 10:29
S172	8	stethoscope same type same microphone\$1 same (suck\$4 or vacu\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/31 11:00
S173	11	((HENRY) near2 (LUO)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/01 10:09
S174	4	((("7139403") or ("7489790"))). PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/01 10:19
S175	2	("7133533").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/01 10:23
S176	2	("4654883").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/05 16:31
S177	74	("3122847" "3908097" "4017797" "4025734" "4138598" "4150262" "4334315").PN. OR ("4654883"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/05 16:31

S178	4	((("4458778") or ("6725966")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/05 17:06
S179	3	("2930857").URPN.	USPAT	OR	ON	2010/04/05 17:10
S180	3	(suck\$4 or suct\$4) same (diaphragm or membrane) same microphone\$1 same adhesive	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/05 17:12
S181	38	stethoscope with (hearing adj2 aid)	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/04/05 17:16
S182	66	(suck\$4 or suct\$4) same (diaphragm or membrane) same microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/05 17:25
S183	8	S182 and @ay<="1999"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/05 17:26
S184	5	((YOSHITAKA) near2 (NAKAJIMA)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/05 17:40
S185	3	stethoscope same type same microphone\$1 same (suck\$4 or suct\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/05 17:43
S186	4	stethoscope same microphone \$1 same (suck\$4 or suct\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/05 17:43
S187	5	((YOSHITAKA) near2 (NAKAJIMA)).INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/06 09:34
S188	9	((MAKOTO) near2 (SHOZAKAI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/06 09:50
S189	1	((SAKAE) near2 (FUJIMAKI)). INV.	US-PGRUB; USPAT; USOCR	OR	ON	2010/04/06 09:51
S190	2	("4777961").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/06 10:08
S191	451	sternocleidomastoid	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/06 10:43
S192	8	sternocleidomastoid with microphone\$1	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/06 10:44
S193	2	("7246058").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/07 10:53

S194	2	("4654883").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/07 11:02
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